

THIS PROJECT INVOLVES THE MODIFICATION OF AN EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 24 AND PLUMTREE ROAD IN HARFORD COUNTY. THE WORK IS NECESSITATED BY THE CONSTRUCTION OF AN ADDITIONAL LANE FOR THE WESTBOUND PLUMTREE ROAD APPROACH. MD 24 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

THE INTERSECTION CURRENTLY OPERATES IN A NEMA SIX-PHASE, FULLY-TRAFFIC-ACTUATED MODE WITH EXCLUSIVE LEFT TURN PHASES FOR MD 24. THE INTERSECTION WILL NOW OPERATE IN A NEMA SEVEN-PHASE, FULLY-TRAFFIC-ACTUATED MODE WITH EXCLUSIVE LEFT TURN PHASES FOR BOTH MD 24 APPROACHES AS WELL AS AN EXCLUSIVE-PERMISSIVE LEFT TURN PHASE FOR THE WESTBOUND PLUMTREE ROAD APPROACH.

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MR. RICHARD DAFF, SR.	MR. EUGENE BAILEY
CHIEF, TRAFFIC OPERATIONS	CHIEF, SIGN OPERATIONS
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A. EQUIPMENT TO BE FURNISHED BY THE SHA AND INSTALLED BY THE CONTRACTOR

<u>ITEM NO.</u>	<u>QUANTITY</u>	<u>DESCRIPTION</u>
NONE		

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR. ALL EQUIPMENT SHALL HAVE CATALOG CUTS SUBMITTED TO THE OFFICE OF TRAFFIC AND SAFETY FOR APPROVAL PRIOR TO INSTALLATION.

<u>QUANTITY</u>	<u>DESCRIPTION</u>
1 EA	MAINTENANCE OF TRAFFIC
35 LF	24 IN. WHITE HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
200 LF	ELECTRICAL CABLE 7 - CONDUCTOR (NO 14 AWG)
1 EA	R3-SL (30" X 36") SIGN - MAST ARM MOUNT
10 EA	12 INCH LED SIGNAL HEAD SECTION
1 EA	ECONOLITE NEMA LOAD MODULE
1 EA	REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT
1 EA	RELOCATE EXISTING SIGN

C. EXISTING EQUIPMENT TO BE REMOVED BY THE CONTRACTOR AND DELIVERED TO THE STATE HIGHWAY ADMINISTRATION, 7491 CONNELLEY DRIVE, HANOVER, MARYLAND 21076. THE CONTRACTOR SHALL NOTIFY THE SHA AT (410) 787-7652 AT LEAST THREE DAYS IN ADVANCE OF DELIVERY.

<u>ITEM NO.</u>	<u>QUANTITY</u>	<u>DESCRIPTION</u>
NONE		

ALL SIGNAL EQUIPMENT TO BE REMOVED AND NOT RETURNED TO THE SHA SHALL
BECOME THE PROPERTY OF THE CONTRACTOR.

WIRING KEY

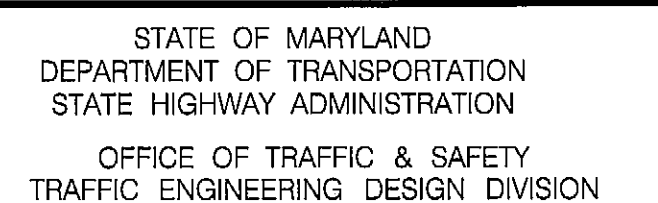
A 7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)

EC EXISTING CABLE

PHASING CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13
	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)
	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)
	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)	(B)

	1	2	3	4	5	6	7	8	9	10	11	12	13
PHASE 1 & 5	←G→	←G→	R	R	←G→	←G→	R	R	R	R	R	R	R
1 & 5 CHANGE	THE CONTROLLER MAY SKIP TO PHASES 1 & 6 OR 2 & 5 OR 2 & 6												
PHASE 1 & 6	←G→	←G→	G	G	←R→	←R→	R	R	R	R	R	R	R
1 CHANGE	←Y→	←Y→	G	G	←R→	←R→	R	R	R	R	R	R	R
PHASE 2 & 5	←R→	←R→	R	R	←G→	←G→	G	G	R	R	R	R	R
5 CHANGE	←R→	←R→	R	R	←Y→	←Y→	G	G	R	R	R	R	R
PHASE 2 & 6	←R→	←R→	G	G	←R→	←R→	G	G	R	R	R	R	R
2 & 6 CHANGE	←R→	←R→	Y	Y	←R→	←R→	Y	Y	R	R	R	R	R
PHASE 3 & 8	←R→	←R→	R	R	←R→	←R→	R	R	R	R	$\frac{G}{←→}$	$\frac{G}{←→}$	G
3 & 8 CHANGE	←R→	←R→	R	R	←R→	←R→	R	R	R	R	$\frac{G}{←→}$	$\frac{G}{←→}$	G
PHASE 4 & 8	←R→	←R→	R	R	←R→	←R→	R	R	G	G	G	G	Y
4 & 8 CHANGE	←R→	←R→	R	R	←R→	←R→	R	R	Y	Y	Y	Y	Y
FLASHING OPERATION	FLR	FLR	FLY	FLY	FLR	FLR	FLY	FLY	FLR	FLR	FLR	FLR	FLR



MD 24 AND PLUMTREE ROAD
BEL AIR, MD

GENERAL INFORMATION PLAN

SCALE NONE DATE 3-20-09 CONTRACT NO. BW-996M82

DESIGNED BY	<u>T.Z.</u>	COUNTY	<u>HARFORD</u>
DRAWN BY	<u>M.R./B.B</u>	LOGMILE	<u>12024011.87</u>
CHECKED BY	<u>S.R.</u>	T.I.M.S. NO.	<u> </u>
F.A.P. NO.	<u>NA</u>	TOD NO.	<u> </u>

DRAWING NO. TS-3797 GI	SHEET NO. 2 OF 3
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